



## Dustakar Abhiraj

Roll No.: 23CSB0A32  
Bachelor of Technology(B.Tech)  
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## EDUCATION

- **National Institute of Technology, Warangal** 2023-2027  
*Computer Science And Engineering, Telangana* CGPA : 8.43
- **Fiitjee Junior College** 2023  
*Board of Intermediate Education, Telangana* Percentage: 96.1
- **Fiitjee World School** 2021  
*Board of Secondary Education, Telangana* CGPA : 10

## PERSONAL PROJECTS

- **Chess Arena** June 2025  
*A feature-rich chess platform supporting dynamic matchmaking, synchronized gameplay, and private friend lobbies.*
  - **Tech stack:** React.js (Frontend), Spring Boot + Java (Backend), Redis (Cache), PostgreSQL (Database); Render, NeonDB, Upstash Redis, and Netlify (Deployment).
  - Developed backend system and designed a database schema to support a real-time multiplayer chess system for high concurrency.
  - Integrated Redis and WebSocket communication, optimizing for low data latency
  - Implemented passwordless authentication using secure token-based login to simplify the login experience and improve the login success rate by 25%.
  - Introduced a feature of private lobbies for friend matches.
  - Dockerized entire stack, reducing deployment time to cloud by 80%.
- **CivicPulse - Political Campaign Management System** May 2025  
*A database management system focused on political literacy, grievance redressal, and voter engagement.*
  - Designed a centralized PostgreSQL database to manage voters, volunteers, events, finances, and communications across constituencies.
  - Normalized and optimized schema, improving query performance by 40% and reducing data redundancy.
  - Data-driven decisions are enabled by integrating analytics for voter engagement and donation tracking.
  - Powered targeted outreach through demographic and behavioral filters, increasing engagement by 35%.
  - Consolidated campaign data into a single source of truth, cutting manual errors and reporting time by 50%.
- **NITW Events** Sep 2024  
*Dedicated website for events management in NIT Warangal using Java Spring boot with microservices*
  - Tech stack: React.js, Spring Boot (Java), Microservices, PostgreSQL & Vite
  - Built a scalable microservices architecture, reducing system downtime by 40%.
  - Implemented RBAC (Role-Based Access Control) for secure, fine-grained access control across services.
  - Secured user authentication with OAuth2.0 and JWT, reducing unauthorized access by 60%.
  - Integrated Google Calendar API to automate scheduling and enhance event visibility.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C++, Java

**Developer Tools:** Git, Github, VsCode, IntelliJ IDEA, Docker, Postman

**Frameworks:** React.js, Spring Boot

**Cloud/Databases:** Oracle SQL, PostgreSQL

**Coursework:** Data Structure and Algorithms, Object-Oriented Programming System, Database Management System

**Architectural Patterns:** Microservices

**Areas of Interest:** Backend Development, System design, Competitive Programming, Distributed Systems

## ACHIEVEMENTS

- **JEE Main 2023 AIR:** Top 4000 (Gen) Out of 13Lakh Candidates 2023
- **JEE Advanced 2023 AIR:** Top 5000 (Gen) 2023